

**ABSTRACT**

A method and system for testing software that includes receiving a plurality of test-modules associated with an external system and organized into a sequence, each test-module including at least a software-targeted testing-inquiry that generates a plurality of intermediate results, the test module returning a distilled result based upon the results, receiving one or more rules to which at least one of the test-modules in the sequence is subject, application of each rule having one or more outcomes, at least one outcome for each rule being the determination of the next test-module to be administered, each rule including one or more actions conditioned upon the distilled result returned by the corresponding test module, the one or more conditioned actions being configurable to be a branch out of the sequence to a predetermined test-module; administering the sequence of test-modules sequentially except where a branch is invoked to administer the sequence from another point in the sequence, the administering of a current test-module including executing the current test-module, the executing including sending signal bits to the external system, and applying, if the current test-module is subject to one or more rules, such one or more rules.